

# Public Safety and Court Facilities

## Public Safety Goals

- ✓ To protect persons and property by providing facilities that will aid in the enforcement of the laws of the Commonwealth of Virginia and Fairfax County.
- ✓ To provide facilities that will aid in the prevention of fires, the control and extinguishment of fire incidents and the provision of emergency medical services.
- ✓ To provide facilities that will aid in the development of effective training programs for public safety personnel.
- ✓ To provide facilities for the humane care, feeding and temporary shelter of stray or unwanted animals.
- ✓ To provide facilities that will ensure that the County's public safety fleet is operated in a safe and cost-effective manner.

## Court Facilities Goals

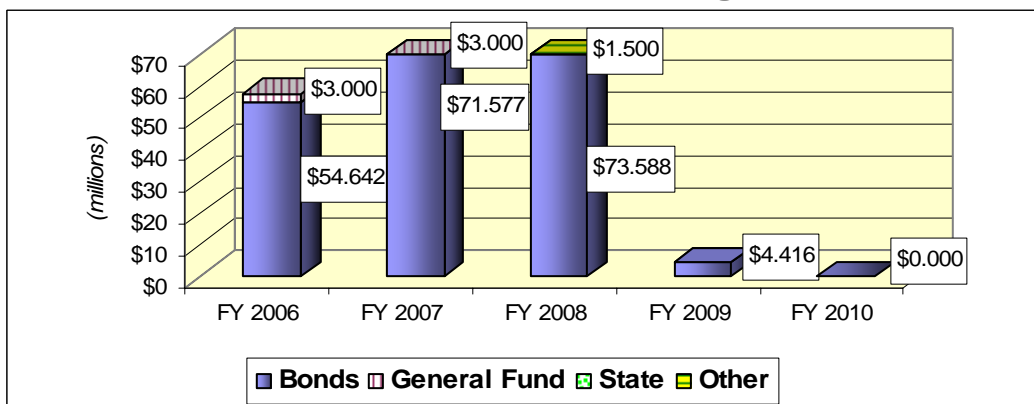
- ✓ To provide facilities for the timely processing and adjudication of all cases referred to the 19th Judicial Circuit Court, General District Court and Juvenile and Domestic Relations District Court.
- ✓ To provide facilities for the immediate and adequate confinement of individuals who are awaiting trial or sentencing, or who are actually serving sentences of twelve months or less.
- ✓ To provide facilities for the accomplishment of efficient, effective and accredited residential care programs for juveniles.
- ✓ To provide the judicial system with a wide range of disposition alternatives so that confinement not only protects society but takes into account the nature of the offense and the cost of detention.
- ✓ To provide safe and secure judicial facilities for both the public and staff.

## Five-Year Program Summary

(in 000's)

Program Area	Anticipated to be Expended Thru FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	Total FY 2006 - FY 2010	Total FY 2011 - FY 2015	Total Program Costs
Public Safety	\$32,187	\$27,000	\$41,813	\$53,517	\$0	\$0	\$122,330	\$11,000	\$165,517
Court Facilities	36,795	30,642	32,764	21,571	4,416	0	89,393	0	126,188
<b>Total</b>	<b>\$68,982</b>	<b>\$57,642</b>	<b>\$74,577</b>	<b>\$75,088</b>	<b>\$4,416</b>	<b>\$0</b>	<b>\$211,723</b>	<b>\$11,000</b>	<b>\$291,705</b>

## Source of Funding



# Public Safety

## PROGRAM DESCRIPTION

Fairfax County continues to demand the timely delivery of modern, efficient public safety services. Provision of an appropriate level of service requires facility improvements of three general types: construction of new facilities to provide improved service levels; construction of new facilities to replace temporary rented or substandard quarters; and renovation and/or expansion of existing facilities. Public Safety facilities include those associated with the Fire and Rescue, Police and animal control, E-911 communication and vehicle maintenance.

### LINK TO THE COMPREHENSIVE PLAN

Fairfax County's Comprehensive Plan has established a number of objectives and policies in order to:

- ✓ Identify a seven-minute service radius for fire and rescue stations and a need to locate stations where there are current service voids of at least two square miles and a projected call-level of two per day or 730 annually.
- ✓ Build new fire and rescue stations located in the Route 7 corridor near Beulah Road; the Route 29 corridor near Legato Road; Route 123 near Hampton Road, the Hunter Mill Road corridor north of Oakton; and the area of South Clifton.
- ✓ Locate police stations and facilities in order to provide efficient and expeditious law enforcement/protective service.
- ✓ Construct a forensics facility and a police station in the western portion of the County.
- ✓ Maintain the current Animal Shelter on West Ox Road, and build a new animal shelter in the southeast portion of the County, preferably in the Springfield/Mount Vernon area.
- ✓ Expand the West Ox Vehicle Maintenance facility.
- ✓ Build at least one additional equipment maintenance facility, preferably located in the northwestern County area, by 2012.
- ✓ Plan for a new Police substation in the southeast portion of the County.

Source: 2003 Edition of the Fairfax County Comprehensive Plan, as amended

## CURRENT PROGRAM INITIATIVES

Public Safety programs are supported primarily by General Obligation Bonds. Bond funds remain from the 1989, 1998 and 2002 Public Safety Bond Referenda.

## **Fire and Rescue**

The Fire and Rescue Department completed a Fire Station Location Master Plan in 1988 which serves as the general plan for new fire and rescue stations in the County. The Master Plan defines criteria for determining where future stations are needed. These criteria include incident activity, population, development types and densities, road networks, target hazards, topographical information and response times. Since the development of that Plan, the need for a Crosspointe Station also has been identified. Using the Master Plan criteria, new West Centreville, Kingstowne, North Point, and Fairfax Center stations have been constructed, and sites for the future Wolf Trap and Crosspointe stations have been acquired. The Fairfax Center Station includes space to accommodate a Hazardous Materials Response Unit. This requirement results from the ongoing threat of chemical and biological attacks in the Washington region.

In FY 2005, a Fire Station Condition Assessments study for 11 volunteer fire stations and 21 of the 24 County-owned fire stations will be completed. Under the study, the condition and functionality of these facilities (and especially the older volunteer-owned stations) to meet current requirements is being evaluated. Three of the newest fire stations - North Point, West Centreville, and Kingstowne - do not require assessment studies. The results of this assessment will assist in identifying requirements and costs associated with station improvements, as well as in the planning and scheduling of needed facility improvements and future bond requirements.

The demands on the existing Fire and Rescue training academy continue to exceed the availability of resources. Fire and Rescue Department staff has conducted a training facility needs assessment and feasibility study in collaboration with the Metropolitan Washington Airport Authority (MWAA) to evaluate the facility requirements at the County's West Ox training complex, and the possibility of developing a shared facility at Dulles International Airport. Recommendations include significant enhancement and renovation of the West Ox site and additional facilities at the Dulles site.

## **Police**

The Police Department has identified a critical need to provide upgraded state of the art facilities for the new Public Safety and Transportation Operations Center (PSTOC), to be constructed near the former Virginia State Camp 30 site on West Ox Road, which will include the Public Safety Communications Center (PSCC) and the Emergency Operations Center (EOC) and a transportation Center. The PSCC is central point for receiving 911 and non-emergency requests for services from the public and for dispatching of police and fire field units. The EOC is the central facility from which local leaders control government resources, communicate information and decisions during emergencies and disasters. These functions are currently housed in an early 1960's elementary school that can no longer be expanded and upgraded to meet current and future demands for service delivery. The PSTOC is estimated to cost approximately \$102 million for construction and equipment. A fall 2002 Public Safety Bond Referendum was approved by the voters and included \$29 million to support the design and construction of a new PSOC facility. Additional costs associated with the facility and associated information technology systems will be funded through the General Fund.

Recently, several Police Stations have been constructed or renovated including a new Sully District Police Station including a government center, and the expansion of the West Springfield, and Mount Vernon Police Stations. Both renovation locations are conjoined with government centers and provide additional space to meet the needs of expanded staffing, increased demand for delivery of police services, and Community Policing Efforts. These efforts include decentralized public safety programs, investigative units and Neighborhood Patrol Units. The Police Department has identified a near term need to similarly expand and renovate the Reston, Fair Oaks, and McLean District Stations; and to construct a new district station in the rapidly developing Laurel Hill area.

The Police Department is pursuing construction of a Forensics Facility to accommodate the technical and forensic units, such as the Crime Scene Section, NOVARIS, Electronic Surveillance Unit, and the Computer Forensic Unit. These units have outgrown their current facility capacity. The Forensics Facility is currently planned to be co-located with the PSTOC facility. The Department has identified the need to replace the Police Annex Building, which houses the property/evidence section and is nearly forty years of age. The property/evidence section is required to maintain evidence of all unsolved felonious crimes and those offenses awaiting trial and is in need of expanded space and modernization.

Long term plans for the Department also include renewals and expansions of existing district stations and a Drivers Track office and classroom space. The current Driver Training space consists of portable trailers which no longer meet the training needs of the Department. The Police Department has also identified the need to improve the delivery of animal control services to the residents of southeastern Fairfax County. Currently all animal shelter facilities are located in the central part of the County on West Ox Road, which is inconvenient to many residents. Limited funds are available for preliminary concept work on the South County Animal Shelter. In addition, the Police Heliport at the West Ox Road Complex is in need of renovation to construct office and classroom space for staffing and paramedic training requirements and the Operations Support Bureau located in the Pine Ridge facility has outgrown its current site. Current renovations to the motor garage at Pine Ridge have exhausted available space for motorcycle storage and other specialized equipment.

### **Vehicle Services**

The Department of Vehicle Services (DVS) has four maintenance facilities. The Jermantown and West Ox facilities are located on the western side of the County, and the Newington and Alban facilities are on the southeast end of the County. These facilities provide timely, responsive and efficient vehicle repairs/services, including effective towing and road services at competitive prices. The Jermantown Road garage and the Newington garage have undergone renovations and expansion. Renovations at the West Ox facility to accommodate vehicles from the Park Authority and Fire and Rescue Department were completed in FY 2005. In addition, future requirements may include appropriately located alternative fuel facilities. These facilities may provide Liquid Natural Gas (LNG), Ultra Low Sulfur Diesel, or other alternative fuel sites in an effort to improve local and regional air quality.

## **CURRENT PROJECT DESCRIPTIONS**

### **NEW CONSTRUCTION**

1. **Fairfax Center Fire Station.** \$9,311,779 for land acquisition and construction of a 23,200 square foot fire station with five equipment bays. This station will serve the Route 29 corridor between Fairfax City and Clifton Road. The new station is located on a site at the intersection of Legato Road and Lee Highway. Fairfax Center will serve a 12.7 square mile area within the five-minute travel response time. Call volume in this area has increased by over 13 percent annually during the last four years. A significant residential development directly adjacent to the station will add over 1,000 residences. The station includes the Hazardous Materials Response Unit in addition to normal fire station suppression and emergency medical services functions. This project is supported by the 1989 (original station) and 2002 Public Safety Bond Referenda (Hazmat Unit addition).
2. **Wolf Trap Fire Station.** \$9,335,000 for land acquisition and construction of a 14,000 square foot fire station with four equipment bays to serve the area near Beulah Road and Route 7. A site near this intersection has been purchased and the design for the station has begun. This station will address response time delays on the highly traveled area of Route 7 as well as along the Dulles Access Road corridor. This project is supported by the 1989 Public Safety Bond Referendum. Coordination with the Park Authority is ongoing to design and construct two recreation fields at this site.
3. **Crosspointe Fire Station.** \$7,630,000 for land acquisition and construction of a 14,000 square foot fire station with four equipment bays to serve the fire protection needs of the southern portion of the County. This station is expected to serve approximately 7.3 square miles of void area and the increased population density associated with the conversion of the Lorton Prison (Laurel Hill) property. The design is complete. The schedule and project cost estimates are dependent upon resolution of site acquisition issues. Additional funding will be required to complete this project do to the increased land acquisition costs and the escalation related to the site related schedule delays. This project is supported by the 1998 Public Safety Bond Referendum.

4. **Public Safety and Transportation Operations Center (PSTOC).** \$102,522,130 for a new high-security, state-of-the-art Public Safety and Transportation Operations Center (PSTOC), which is intended to provide efficient and effective public safety and transportation services using coordinated technology and integrated data systems. The new facility will house the Public Safety Communications Center (PSCC) and Emergency Operations Center (EOC). These functions are currently located at the Police Department's Pine Ridge facility; however, that facility is outdated and overcrowded. There has been an 80 percent increase in calls handled by the Center since it opened in 1985. The operations floor cannot support additional equipment to expand call taking or dispatching capacity required to efficiently manage the increase in call volume. The current EOC is a 950 square-foot facility that does not provide adequate space or technological support for the 34 public and private agencies that utilize the EOC during an emergency activation. The building lacks adequate training facilities and is not equipped to support PSCC and EOC staff for the duration of an emergency should relief personnel be unable to report for duty. There is no place to store food, water, cots, or other essentials for long term deployment. The PSCC is managed by the Police Department and jointly operated by the Police Department and Fire and Rescue Department. The EOC is operated by the Emergency Management Division of the Police Department.

In addition to the PSCC and EOC, the new PSTOC facility will house the Forensics Facility described below, VDOT's Smart Traffic and Signal Centers, and the State Police Communications Center. Development of the PSTOC facility will result in a more effective and efficient use of the public lands and campus on West Ox Road. The new multi-use facility will allow for the cost-effective provision of services through the sharing of land, buildings, and technology resources at various levels of state and local government.

On November 5, 2002, voters approved \$29 million for construction costs associated with the PSTOC. Additional costs associated with the facility will be funded by the General Fund. The Total Project Estimate has increased to \$102,522,130 based on an ongoing re-evaluation of the information technology requirements and costs for the facility.

5. **Alternate Emergency Operations Center (AEOC).** \$2,676,750 to construction an Alternate Emergency Operation Center (AEOC) to serve as an interim center during the planning and construction of the new Public Safety and Transportation Operations Center (PSTOC) to be located on West Ox Road. The AEOC will be located on the first floor of the Government Center in approximately 4,300 square feet of space. The current EOC is located at the Pine Ridge site in approximately 950 square feet of space and is inadequate in terms of space and information technology systems. The development of a viable AEOC is critical for the County to manage emergency events. Grant funding has been identified for the equipment and infrastructure enhancements.
6. **Forensics Facility.** \$8,000,000 for a feasibility study, land acquisition, design and construction of a new Forensics Facility. This project will house technical and forensic units such as the Crime Scene Section, NOVARIS, Electronic Surveillance Unit, and Computer Forensic Unit in one coordinated facility. Currently these units are housed in inadequate and scattered locations. In addition to providing a facility that will meet the technical needs of these units, the Police Department is seeking programmatic and supervisory efficiency by locating similar functions in one coordinated location. This new facility will be co-located with the multi-use PSTOC facility at the West Ox Road complex.

#### **RENEWALS/ADDITIONS**

7. **Fire and Rescue Academy Improvements.** \$5,994,000 for training facility enhancements at the Fire and Rescue Academy. A needs assessment and feasibility study has been conducted to identify improvements and renovations to the existing facility and to evaluate County participation in developing a regional training facility on Dulles Airport property. This project is partially funded through the 1989 Public Safety Bond Referendum. The current Fire and Rescue Academy Feasibility Study has identified that the top priority and first phase of the Fire and Rescue Academy Improvements should be construction of a new Burn Building at the Fire and Rescue Academy on West Ox Road.

8. **West Ox DVS Maintenance Facility Expansion.** \$5,720,000 for the expansion of the West Ox Department of Vehicle Services maintenance facility to accommodate the collocation of County Vehicles Services, Park Authority and Fire and Rescue vehicles and trailers.
9. **West Ox Complex/Camp 30.** \$327,000 for a master planning study to evaluate the renovation and expansion of the Camp 30/West Ox Road Complex. The existing facilities located within the West Ox Road Complex include the landfill and transfer station, County Animal Shelter, heliport center, Fire and Rescue training facility, the Department of Vehicle Services Maintenance Facility, and a school bus parking area. The study was completed in FY 2004 and encompassed both the West Ox Road Complex and adjacent state-owned properties. The study provided cost information for use as part of the state and County joint development agreement for the PSCC, Forensics Facility and VDOT District Headquarters.
10. **Herndon Fire Station Land Acquisition.** \$950,000 to acquire additional property in the Town of Herndon to accommodate the future renovation and expansion, or replacement, of the station. The scope will be determined by a feasibility study.
11. **Vienna Volunteer Fire Station.** \$1,500,000 as a County contribution towards the Vienna Volunteer Fire Department's project to expand and renovate the existing volunteer-owned station to meet current code and operational standards.
12. **Police Station Feasibility Studies.** \$250,000 to conduct feasibility studies to determine the scope and cost of renovation and expansion work required at the McLean, Reston, and Fair Oaks District Police Stations. These older police station facilities are in need of renovations and upgrades to accommodate the current operational requirements of the Police Department, including administrative and support space for current staffing levels, interior and exterior security, HVAC and electrical systems, and information technology infrastructure. The feasibility studies will evaluate options to address the stations' shortcomings, develop a conceptual plan for the renovation or expansion of the stations, and provide cost estimates for the work required to bring the stations up to standards. The results of the feasibility studies will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.
13. **Fire Station Feasibility Studies.** \$150,000 to conduct feasibility studies to determine the scope and cost of renovation, expansion, or new station requirements for the Jefferson and Herndon Fire Stations, and/or for other priority Fire and Rescue facilities. These older fire and rescue stations are in need of renovations or possible replacement to accommodate the current operational requirements of the Fire and Rescue Department, including administrative and support space for current staffing levels, equipment bays for current apparatus, HVAC and electrical systems, bunk and locker room facilities for female personnel, and information technology infrastructure. The feasibility studies will evaluate options to address the stations' shortcomings, develop a conceptual plan for the renovation, expansion, or possible replacement of the stations, and provide cost estimates for the work required to bring the stations up to standards. The results of the feasibility studies will be used as a basis for determining the composition of the proposed Fall 2006 Public Safety Bond Referendum.
14. **West Ox Animal Shelter Renewal.** \$75,000 to begin preliminary design work for the renewal of the existing animal shelter. Funds for the future renewal of the shelter may be included in the proposed Fall 2006 Public Safety Bond Referendum.
15. **Great Falls Volunteer Fire Station.** \$75,000 to begin preliminary design work for the future renovation and expansion, or possible replacement, of the existing volunteer-owned station. The scope will be determined by a feasibility study. This older fire and rescue station is in need of renovations to accommodate the current operational requirements of the Fire and Rescue Department, including administrative and support space for current staffing levels, equipment bays for current apparatus, HVAC and electrical systems, bunk and locker room facilities for female personnel, and information technology infrastructure. Funds for the future renovation and expansion, or possible replacement, of the fire station may be included in the proposed Fall 2006 Public Safety Bond Referendum.

**PROJECT COST SUMMARIES  
PUBLIC SAFETY  
(\$000's)**

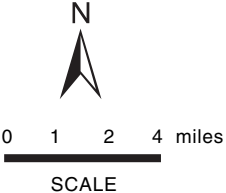
Project Title/ Project Number	Source of Funds	Anticipated to be Expended Thru FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	Total FY2006-FY2010	Total FY2011-FY2015	Total Project Estimate
<b>New Construction</b>										
1. Fairfax Center Fire Station / 009079	B	8,612	700					700		9,312
2. Wolf Trap Fire Station / 009094	B	4,073	1,500	3,500	262			5,262		9,335
3. Crosspointe Fire Station / 009210	B	3,594	3,250	786				4,036		7,630
4. Public Safety and Transportation Operations Center (PSTOC) /	B, G	3,500	16,500	33,000	49,522			99,022		102,522
5. Alternate Emergency Operations Center (AEOC)	X	2,677						0		2,677
6. Forensics Facility / 009438	G	500	3,000	3,000	1,500			7,500		8,000
<b>Renewals/Additions</b>										
7. Fire and Rescue Academy Improvements / 009073	B, U	894	1,340	1,527	2,233			5,100		5,994
8. West Ox DVS Maintenance Facility Expansion / 88A015	B, G	5,010	710					710		5,720
9. West Ox Complex /Camp 30 / 009455	G	327						0		327
10. Herndon Fire Station Land Acquisition	B	950						0		950
11. Vienna Volunteer Fire Station/ 009216	B	1,500						0		1,500
12. Police Station Feasibility Studies	U	250						0		250
13. Fire Station Feasibility Studies	U	150						0		150
14. West Ox Animal Shelter Renewal	U	75						0	4,000	4,075
15. Great Falls Volunteer Fire Station	U	75						0	7,000	7,075
<b>TOTAL</b>		\$32,187	\$27,000	\$41,813	\$53,517	\$0	\$0	\$122,330	\$11,000	\$165,517

<b>Key: Stage of Development</b>	
	Feasibility Study or Design
	Land Acquisition
	Construction

Notes:  
Numbers in bold italics represent funded amounts.  
A "C" in the Authorized or Expended Column denotes a continuing project.

<b>Key: Source of Funds</b>	
B	Bonds
G	General Fund
S	State
F	Federal
X	Other
U	Undetermined

## Public Safety Location of CIP Projects



1. Fairfax Centre Fire Station
2. Wolf Trap Fire Station
3. Crosspointe Fire Station
4. Public Safety and Transportation Operations Center
5. Alternate Emergency Operations Center
6. Forensics Facility
7. Fire and Rescue Academy Improvements
8. West Ox DVS Maintenance Facility Expansion
9. West Ox Complex/Camp 30
10. Herndon Fire Station Land Acquisition
11. Vienna Volunteer Fire Station
14. West Ox Animal Shelter Renewal
15. Great Falls Volunteer Fire Station

Note: Map numbers correspond to the project descriptions in the text and on the summary tables. Only CIP projects with selected fixed sites are shown on the map.